

Amendment to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently amended) A method comprising:

receiving, from an agent, a request to read data from a read address in pre-fetchable data storage;

retrieving an initial amount of data determined by a pre-fetch factor;

terminating the retrieving;

determining if the requesting agent received as much data as ~~it~~ requested when the retrieving is terminated; and

based upon the determining if the requesting agent did not receive as much data as requested, storing a next read address at which data would have been retrieved, had the retrieving not been terminated.

2. (Currently amended) The method of claim 1 further comprising, before ~~the~~ said retrieving ~~step~~, comparing the read address to a stored next read address, and if ~~they~~ the read address and the stored next read address match, retrieving an amount of data determined by both the pre-fetch factor and a re-read pre-fetch factor.

3. (Currently amended) The method of claim 12 further comprising changing the re-read pre-fetch factor based upon the determining.

4. (New) The method of claim 1, wherein said determining includes determining if the retrieving terminated early.

5. (Currently amended) The method of claim 34 further comprising ~~the step of~~ changing the re-read pre-fetch factor after ~~an~~ a time interval.

6. (Original) The method of claim 1 wherein the value of the pre-fetch factor is alterable.

7. (Currently amended) The method of claim 3 5 wherein changing the re-read pre-fetch factor comprises selectively enabling and disabling the incrementing the re-read pre-fetch factor ~~is selectively enabled and disabled~~.

8. (Currently amended) A system comprising:

a computer having at least one agent, at least one bridge, a pre-fetch factor register, a re-read pre-fetch factor register and a next read address register;

the bridge being configured to:

(a) receive from an agent a request to read data from a read address in pre-fetchable data storage;

(b) read ~~request~~ an amount of data determined by a ~~number~~ value stored in the pre-fetch factor register;

(c) determine if the requesting agent has received the full amount of requested data when the read is terminated; and

(d) based upon the determination if the requesting agent did not receive the full amount of requested data, increment a value in the re-read pre-fetch factor register.

9. (Currently amended) The system of claim 8 wherein the bridge is further configured, if the requesting agent did not receive the full amount of requested data ~~based upon the~~

~~determination~~, to store a next read address in the next read address register.

Q12 10. (Currently amended) The system of claim 9, ~~further comprising~~ the bridge being further configured to compare the read address to the stored next read address, and if ~~they the~~ the read address and the stored next read address match, increasing ~~changing~~ the amount of data requested ~~determined also~~ by a ~~the~~ value in the re-read pre-fetch factor register.

11. (Currently amended) The system of claim 8, ~~further comprising~~ the bridge ~~further~~ being further configured to change the value in the re-read pre-fetch factor register based upon the determination ~~determining~~.

12. (Currently amended) The system of claim 8, ~~further comprising~~ the bridge ~~further~~ being further configured to decrement the pre-fetch factor register after ~~an~~ a time interval.

13. (Currently amended) The system ~~method~~ of claim 8 wherein the contents of the pre-fetch factor register are ~~is~~ alterable.

14. (Currently amended) The system ~~method~~ of claim 8 wherein the bridge is further configured ~~so as to be able~~ to enable and disable the application of the pre-fetch register and the re-read pre-fetch register under control of the computer.

15. (Original) The system of claim 8 wherein the pre-fetch register is contained within the bridge.

16. (Original) The system of claim 8 wherein the re-read pre-fetch register is contained within the bridge.

17. (Currently amended) A computer program product, disposed on a computer readable medium, comprising instructions to cause a computer to:

receive from an agent a request to read data from a read address in pre-fetchable data storage;

read request an amount of data determined by a number value stored in a pre-fetch factor register;

determine if the requesting agent has received the full amount of requested data when the read terminates; and

~~based upon the determination~~ if the requesting agent did not receive the full amount of requested data, store a next read address at which data would have been retrieved had the retrieving not been terminated.

18. (Currently amended) The computer program product of claim 17 further comprising instructions to cause the computer to compare the read address to the stored next read address, and if they the read address and the stored next read address match, request determine the an amount of data determined by a ~~requested also by the~~ value in the re-read pre-fetch factor register.

19. (Original) The computer program product of claim 17 further comprising instructions causing the computer to increment the re-read pre-fetch factor register based upon the determining.

20. (Currently amended) The computer program product of claim 17 further comprising instructions causing the computer to

decrement the pre-fetch factor register after ~~an~~ a time
interval.

Q12 21. (Original) The computer program product of claim 17 wherein
the pre-fetch factor register, the re-read pre-fetch register
and the next read address are contained within a bridge.

22. (Original) The computer program product of claim 17 wherein
the instructions are stored in and implemented by a bridge.
